

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **LISTING OF CLAIMS:**

1           1. (Original) A method for making at least one micro lens comprising the steps  
2 of:

3           depositing at least one individual portion of a substance to be flowed on a  
4 substrate;

5           coating with an adhesion promoter said at least one individual portion of said  
6 substance to be flowed and at least the immediate surroundings on said substrate of said  
7 at least one individual portion;

8           exposing said coated substrate and said coated at least one individual portion of  
9 said substance to be flowed to conditions which cause said substance to be flowed to  
10 flow;

11          whereby said at least one individual portion of said substance to be flowed is  
12 formed into a micro lens shape without requiring formation of a mesa for said at least one  
13 individual portion of substance to be flowed.

1           2. (Original) The invention as defined in claim 1 further comprising the step of  
2 etching said combined substrate and said at least one individual portion of substance to be  
3 flowed after said micro lens shape is formed so that said substrate and said at least one  
4 individual portion of substance to be flowed are etched at substantially the same rate.

1           3. (Original) The invention as defined in claim 1 wherein further comprising the  
2 step of hard baking said combined substrate and said at least one individual portion of  
3 substance to be flowed after said micro lens shape is formed.

1           4. (Original) The invention as defined in claim 1 wherein said adhesion promoter  
2 is hexamethyldisilazane (HMDS).

1           5. (Original) The invention as defined in claim 1 wherein said coating is a mono  
2 layer of said adhesion promoter.

1           6. (Original) The invention as defined in claim 1 wherein said substance to be  
2 flowed is a photo resist.

1           7. (Original) The invention as defined in claim 1 wherein, in said coating step,  
2 substantially the entire surface of said substrate on which said at least one individual  
3 portion of substance to be flowed is deposited is coated by said adhesion promoter.

1           8. (Original) The invention as defined in claim 1 wherein, in said coating step,  
2 said adhesion promoter conformally coats said at least one individual portion of said  
3 substance to be flowed and said at least immediate surroundings on said substrate.

1           9. (Original) The invention as defined in claim 1 wherein said conditions which  
2 cause said substance to be flowed to flow is created at least by heating said substance to  
3 be flowed and said substrate.

1           10. (Original) The invention as defined in claim 1 wherein said conditions which  
2 cause said substance to be flowed to flow is created at least by exposing said substance to  
3 be flowed and said substrate to solvent vapors.

1           11. (Original) The invention as defined in claim 1 further comprising the step of  
2 cleaning said substrate from any residue which would prevent adhesion of said adhesion  
3 promoter prior to said coating step and after said depositing step.

1           12. (Original) The invention as defined in claim 1 further comprising the step of  
2 preconditioning said substrate prior to said coating step and after said depositing step.

1           13. (Original) The invention as defined in claim 1 wherein said at least one  
2 individual portion of a substance to be flowed is at least two portions arranged as an  
3 array.

1           14. (Original) The invention as defined in claim 1 further comprising the step of  
2 etching substantially only said at least one individual portion of substance to be flowed.

1           15. (Original) At least one micro lens manufactured by a process which  
2 comprises the steps of:

3           depositing at least one individual portion of a substance to be flowed on a  
4 substrate;

5           coating with a prescribed coating material said at least one individual portion of  
6 said substance to be flowed and at least the immediate surroundings on said substrate of  
7 said at least one individual portion;

8           exposing said coated substrate and coated portions of said substance to be flowed  
9 to conditions which cause said substance to be flowed to flow; and

10          whereby said substance to be flowed forms a lens shape without requiring  
11 formation of a mesa for said portion of substance to be flowed.

1           16. (Original) The invention as defined in claim 15 wherein said prescribed  
2 coating material is an adhesion promoter.

1           17. (Original) The invention as defined in claim 15 wherein said prescribed  
2 coating material is hexamethyldisilazane (HMDS).

1           18. (Original) The invention as defined in claim 15 wherein said portion of a  
2 substance to be flowed is photoresist.

1           19. (Original) The invention as defined in claim 15 wherein said at least one  
2 micro lens is an array of a plurality of micro lenses each originating from its own  
3 respective individual portion of said substance to be flowed.

1           20. (Original) The invention as defined in claim 15 wherein said at least one  
2 micro lens is an array of a plurality of micro lenses at least one two of which originate  
3 from a single individual portion of said substance to be flowed.

1           21. (Original) A micro lens array formed on a substrate, each micro lens of said  
2 array being characterized in that it has no visible mesa after its manufacture.

1           22. (Original) A method for making at least one micro lens comprising the steps  
2 of:

3           depositing at least one individual portion of a substance to be flowed on a  
4 substrate so that said at least one individual portion of said substance to be flowed has a  
5 prescribed footprint; and

6           pinning, with a conformal coating of a prescribed coating material, said at least  
7 one individual portion of said substance to be flowed substantially to said footprint so  
8 that when said substance to be flowed is exposed to conditions which cause it to flow said  
9 substance to be flowed is formed into a lens shape having said footprint.

1           23. (Original) The invention as defined in claim 22 wherein said prescribed  
2 coating material comprises an adhesion promoter.

1           24. (Original) The invention as defined in claim 22 wherein said conformal  
2 coating is a coating of hexamethyldisilazane (HMDS).

1           25. (Original) A micro lens which was formed from a portion of a substance  
2 which was flowed, said substance which was flowed having been contained in at least an  
3 initial footprint substantially only by a conformal coating of a prescribed coating material  
4 at least traces of which are detectable in the immediate vicinity of said micro lens.

1           26. (Original) The invention as defined in claim 25 wherein said substance which  
2 was flowed comprises a positive photoresist.

1           27. (Original) The invention as defined in claim 25 wherein said initial footprint  
2 is modified by further etching said at least one micro lens.

1           28. (Original) The invention as defined in claim 25 wherein said at least one  
2 micro lens is a member of an array of a plurality of micro lenses.

1           29. (Original) The invention as defined in claim 25 wherein said conformal  
2 coating is a mono layer.

1           30. (New) The invention as defined in claim 21 wherein said micro lens array is  
2 manufactured by a process comprising the steps of:  
3           depositing a plurality of individual portions of a substance to be flowed on a  
4 substrate;  
5           coating with a prescribed coating material each of said individual portions of said  
6 substance to be flowed and at least the immediate surroundings on said substrate of said  
7 individual portions;  
8           exposing said coated substrate and coated portions of said substance to be flowed  
9 to conditions which cause said substance to be flowed to flow; and  
10          whereby each of said individual portions of said substance to be flowed forms a  
11 lens shape without requiring formation of a mesa for each of said individual portions of  
12 substance to be flowed.

1           31. (New) The invention as defined in claim 21 wherein said micro lens array is  
2 manufactured by a process comprising the steps of:  
3           depositing a plurality of individual portions of a substance to be flowed on a  
4 substrate so that said each of said individual portions of said substance to be flowed has a  
5 respective prescribed footprint at the location at which it was deposited; and  
6           pinning, with a conformal coating of a prescribed coating material, each of said  
7 individual portions of said substance to be flowed substantially to its respective  
8 prescribed footprint so that when said substance to be flowed is exposed to conditions  
9 which cause it to flow said substance to be flowed at each respective location is formed  
10 into a lens shape having its respective prescribed footprint.